ABSTRACT

A process for producing a polyester sheet by dropping a molten polyester sheet extruded from an orifice-form nozzle on a cooling roll having the grooves of a large number of micro-cracks formed on the surface, closely adhering it to the cooling roll and solidifying it on the cooling roll, wherein

the surface temperature (T, °C) of the molten polyester sheet 10 mm below the orifice-form nozzle is maintained at a temperature which satisfies the following expression (1):

$$(Tc+20)°C \leqq T \leqq (Tm+40)°C \quad (1)$$

wherein Tc and Tm are the falling temperature crystallization temperature (°C) and melting point (°C) of the polyester, respectively and T is as defined hereinabove,

and the surface temperature of the cooling roll when it contacts the molten polyester sheet is controlled to a range of 5 to 100°C to continuously form the polyester sheet while preventing the adhesion of a sublimate from the molten polyester to the inside of the groove of each micro-crack of the cooling roll.